AMENDMENTS TO THE CLAIMS

Please amend claim 14 as follows. Please add claims 17-20. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

Claim 1-10. (Canceled)

Claim 11. (Previously Added) A method for identifying compounds with anti-anxiety activity comprising:

(a) administering a test compound to an animal comprising at least one non-functional allele of the p53 gene, and

(b) determining whether said test compound decreases anxiety in said animal, in which test compounds that decrease anxiety in said animal are identified as compounds with anti-anxiety activity.

Claim 12. (Previously Added) The method of claim 11, wherein said animal is a mouse.

Claim 13. (Previously Added) The method of claim 11, wherein two alleles of the p53 gene are not functional.

Claim 14. (Currently Amended) A method for identifying compounds with long-term memory restoring activity, comprising:

(a) administering a test compound to an animal comprising at least one a non-functional allele of the p53 gene, wherein the animal has a diminished capacity to recall a previous test, and

(b) determining whether said test compound restores long-term memory in said animal, wherein test compounds that improve the diminished capacity to recall the previous test are identified as compounds with long-term memory restoring activity.

Claim 15.   (Previously Added) The method of claim 14, wherein said animal is a mouse.

Claim 16.   (Canceled)

Claim 17.   (New) The method of claim 11, wherein determining whether said test compound decreases anxiety in said animal comprises subjecting said animal to an Open-Field test.

Claim 18.   (New) The method of claim 11, wherein determining whether said test compound decreases anxiety in said animal comprises determining whether said test compound decreases thigmotaxia.

Claim 19.   (New) The method of claim 14, wherein determining whether said test compound restores long-term memory in said animal comprises subjecting the animal to a Morris swimming pool test.

Claim 20.   (New) The method of claim 14, wherein determining whether said test compound restores long-term memory in said animal comprises calculating a spatial bias index.